

# f o X S e r v e 1 . 3

*Smooth. Secure. Solid State. Silent. eXtraSmall.*

@ KDEV di Davide Cantaluppi , P.IVA 02984320131, 2007 Some Rights Reserved

Welcome to **foXServe**!

**foXServe** is a full featured **Apache 1.3.37 Embedded WebServer** with **PHP 5.0.5**, **SQLite**, **mod\_dav** and **mod\_ssl** running on **ACME SYSTEMS srl** Fox Board 832. With foXServe is possible to **control I/O** and a **LCD Display Hitachi HD44780** directly from your PHP script. We developed a set of PHP extensions that let you control logic hardware connected directly to the Fox Board with a web PHP script.

## Are you a fox LX 832 owner?

You are in the right place! We are proud to announce the availability of **foXServe firmware**!



You can download of **foXServe** directly from the **here** and take advantage of a **secure web server platform** for all your projects!

The installation is really simple, in **only 3 steps** your fox will be a **foXServe**.

The only requirement is a fox LX 832. After the installation the **uptodate** system will be activated and all future upgrades will be provided from the central repository.

The **config** command facility will help you to install **all additional modules** available for foXServe typing just one letter on your keyboard!

Take a look to **<http://www.foxserve.it>** to discover all the software available.

**Now is possible to join the foXServe system to ACME SYSTEMS SDK!**

**In this way you can create YOUR OWN CUSTOM fimage foXServe based. Obviously the uptodate feature is not present or you will lost your custom kernel on upgrade.**

➤ **SDK patch**

**What are you waiting for? upgrade your fox board now!**

## DOCUMENTATION INDEX

### Support

- **Frequently Asked Questions and Contacts**
- **SDK patch**

### Docs and HOW-TOS

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- **Activate WIFI on foXServe**
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- **Web Compiler**
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### PHP EXTENSIONS

- **SOCKETS**



- FTP
- XML

## CUSTOM PHP EXTENSIONS

- GPIO I/O control
- LCD HITACHI HD44780
- I2C A/D converter PC859
- LCD LIVE DEMO!

## OTHER FOXSERVE BASE PRODUCTS

- SMS / MMS FOXBOX THE HARDWARE GATEWAY FOR MESSAGING MANAGEMENT
- A TUX THAT REALLY RUNS LINUX!

## ScreenCast & tutorials

- WEBDAV on foXServe
- Realms: Areas of Controlled Access
- How to install Flatpress
- Others...
- Community
- Forum

➤ Try foXServe live LCD demo



SMS / MMS foxbox messaging appliance

On this small sized, powerful system you can run your favourite PHP scripts. The configuration is full customizable from standard apache configuration files. Statically linked modules are:



**mod\_ssl, mod\_setenvif, mod\_so, mod\_auth, mod\_access, mod\_alias, mod\_userdir, mod\_actions, mod\_imap, mod\_asis, mod\_cgi, mod\_dir, mod\_autoindex, mod\_include, mod\_status, mod\_negotiation, mod\_mime, mod\_log\_config, mod\_env, http\_core**

Dinamically linked by default are ➤ **mod\_php5.so** and ➤ **libdav.so** and ➤ **mod\_ssl.so**

The official repository for Apache Modules can be found at:

➤ <http://modules.apache.org/>



**mod\_php** is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

**mod\_dav** is an Apache module to provide DAV capabilities (RFC 2518) for your Apache web server. It is an Open Source module, provided under an Apache-style license. To test the environment simply connect to <http://<your FoXServe>/test> using webdav and upload your contents.

``mod\_ssl combines the flexibility of Apache with the security of OpenSSL."`



**mod\_ssl** This module provides strong cryptography for the Apache 1.3.x release via the Secure Sockets Layer (SSL v2/v3) and Transport Layer Security (TLS v1) protocols by the use of the Open Source SSL/TLS toolkit OpenSSL, which is based on SSLeay from Eric A. Young and Tim J. Hudson.

## Configuration files PATH

**APACHE** configuration: /etc/httpd.conf

**PHP** init script php.ini: /etc/php.ini (➤ [click here for PHP INFO PAGE](#))

**MMCACHE** config is a portion of PHP.INI but you can check it following this ➤ [link](#).

The default extension directory in php.ini is /mnt/flash if you need extra extension upload it here and load it in php.ini.

**ETHERNET**: /etc/conf.d/net.eth0 and **DNS** /etc/resolv.conf

The default document root is **/mnt/flash/root**, remember that Apache need at least **755** attribute to serve your pages.

*Where can I download applications for my foXServe?*

It's simple. EVERYWHERE! foXServe is a standard Web Server environment. I suggest you to go to **FlatPress**, a powerful blog CMS.

Upload your scripts using **FTP,SSH** or webdav and enjoy with **foXServe!**



## foXServe update

Name:

Email:



foXServe is Developed by **KDEV** a **Davide Cantaluppi** company and running on **ACME SYSTEMS srl** Hardware.



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foXServe firmware is free



Download it now!

## LICENSES

### Apache/1.3.37 Server

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### PHP 5.0.5

"This product includes PHP software, freely available from <<http://www.php.net/software/>>"

### MOD\_DAV

*This product includes software developed by Greg Stein <[gstein@lyra.org](mailto:gstein@lyra.org)> for use in the mod\_dav module for Apache ([http://www.webdav.org/mod\\_dav/](http://www.webdav.org/mod_dav/)).*

### MOD\_SSL

*The mod\_ssl package was created in April 1998 by Ralf S. Engelschall and was originally derived from software developed by Ben Laurie for use in the Apache-SSL HTTP server project. The mod\_ssl package is licensed under a BSD-style licence, which basically means that you are free to get and use it for commercial and non-commercial purposes.*